| L Number | Hits | Search Text | DB | Time stamp |
|-------------|------|--|--------------------|----------------------------------|
| - Number | 2 | 300022.ap. | USPAT | 2003/11/17 |
| - | 1 | 300022.ap. | US-PGPUB | 11:33 2003/11/10 |
| _ | 3 | "parametric audio system" | USPAT; US-PGPUB | 13:25 2003/11/17 11:43 |
| - | 0 | 20010007591.uref. | USPAT; US-PGPUB | 2003/11/10 13:27 |
| - | 15 | "parametric audio" | USPAT; US-PGPUB | 2003/11/14 17:07 |
| - | 8293 | "Ultrasonic transducer" | USPAT; US-PGPUB | 2003/11/10 14:09 |
| - | 15 | "Ultrasonic transducer" and 381.clas. and parametric | USPAT; US-PGPUB | 2003/11/10 |
| - | 37 | Ultrasonic and 381 clas. and parametric | USPAT; US-PGPUB | 2003/11/10 14:19 |
| - | 22 | (Ultrasonic and 381.clas. and parametric) not ("Ultrasonic transducer" and 381.clas. and parametric) | USPAT; US-PGPUB | 2003/11/10 14:11 |
| - | 1 | _ | USPAT; US-PGPUB | 2003/11/10 14:18 |
| _ | 715 | Ultrasonic and parametric | USPAT; | 2003/11/10 |
| _ | 38 | Ultrasonic and parametric and 367.clas. | US-PGPUB USPAT; | 14:20 2003/11/10 |
| _ | 30 | | US-PGPUB | 14:28 |
| _ | 0 | 381/111.ccls | USPAT; US-PGPUB | 2003/11/10 14:28 |
| _ | 254 | 381/111.ccls. | USPAT; | 2003/11/10 |
| | | 3 27 5 2 2 2 | US-PGPUB | 14:30 2003/11/10 |
| - | 16 | 381/111.ccls. and Ultrasonic | USPAT; US-PGPUB | 14:33 |
| - | 7 | 381/160.ccls. and Ultrasonic | USPAT; US-PGPUB | 2003/11/10 14:34 |
| - | 19 | 367/119.ccls. and Ultrasonic | USPAT; US-PGPUB | 2003/11/10 14:34 |
| - | 1 | 5619476.pn. | USPAT | 2003/11/10 15:38 |
| _ | 1 | 4695986.pn. | USPAT | 2003/11/10 15:38 |
| _ | 23 | 5619476.uref. | USPAT | 2003/11/10 15:39 |
| - | 1 | "5146435".PN. | USPAT | 2003/11/10 15:40 |
| _ | 1 | "5569968".PN. | USPAT | 2003/11/10 15:40 |
| - | 1 | "6443901".PN. | USPAT | 2003/11/10 15:40 |
| - | 7 | 4695986.uref. | USPAT | 2003/11/10 15:55 |
| _ | 1 | 4418404.pn. | USPAT | 2003/11/10 16:43 |
| _ | 14 | 381/75,77,82.ccls. and ultrasonic | USPAT | 2003/11/10 16:44 |
| _ | 2 | 300022.ap. | USPAT | 2003/11/14 14:46 |
| - | 1 | 300022.ap. | US-PGPUB | 2003/11/14 15:20 |
| _ | 4 | ("6016351" "5885129" "4588917" "5598480").pn. | USPAT | 2003/11/14 17:03 |
| - | 90 | 381/150.ccls. | USPAT | 2003/11/14 15:26 |
| _ | 2619 | transducer same membrane | USPAT | 2003/11/14 15:27 |
| - | 15 | (transducer same membrane) and sell | USPAT | 2003/11/14 15:47 |
| _ | 9 | "sell-type" | USPAT | 2003/11/14 15:47 |
| - | 7 | "sell-type" not ((transducer same membrane) and sell) | USPAT | 2003/11/14 15:49 |

| - | 1 | 4,317,005.pn. | USPAT | 2003/11/14 |
|----------|------|---|--------------------|-----------------------|
| _ | 449 | 381/191.ccls. | USPAT | 15:49 2003/11/14 |
| | 333 | 301/191.0013. | OSPAI | 17:00 |
| _ | 16 | ("6016351" "5885129" "4588917" | USPAT | 2003/11/14 |
| | | "5598480").uref. | | 17:04 |
| - | 1 | 6584205.pn. | USPAT; | 2003/11/14 |
| | 4575 | While thing grantiton! | US-PGPUB | 17:09 2003/11/18 |
| - | 45/5 | "blocking capacitor" | USPAT; US-PGPUB | 09:58 |
| _ | 107 | "blocking capacitor" and 381.clas. | USPAT; | 2003/11/24 |
| | | | US-PGPUB | 16:57 |
| _ | 1 | 6016351.pn. | USPAT | 2003/11/17 |
| | 1 | 5885129.pn. | USPAT; | 11:33 2003/11/17 |
| | 1 | 3003129.pm. | US-PGPUB | 11:43 |
| _ | 1 | "5889870".PN. | USPAT | 2003/11/17 |
| | | | | 11:59 |
| - | 1 | "5859915".PN. | USPAT | 2003/11/17 |
| | 1 | "5582176".PN. | USPAT | 11:59 |
| | | 55021/0 .FN. | OSFAI | 2003/11/17 11:59 |
| - | 1 | "5406634".PN. | USPAT | 2003/11/17 |
| | | | | 12:00 |
| - | 1 | "4823908".PN. | USPAT | 2003/11/17 |
| 1_ | 1 | "4418404".PN. | USPAT | 12:00 2003/11/17 |
| | _ | 1110101 .114. | OSFAI | 12:00 |
| - | 1 | 4,823,908.pn. | USPAT | 2003/11/17 |
| | | - | | 12:10 |
| - | 4 | 384,084.ap. | USPAT | 2003/11/17 |
| 1_ | 1 | 4888086.pn. | USPAT | 12:53 2003/11/17 |
| | i - | 400000.pm. | ODEAL | 13:00 |
| _ | 3 | ("4081826" "4311881" "4887248").pn. | USPAT | 2003/11/17 |
| | _ | C445004 | | 14:04 |
| <u> </u> | 1 | 6445804.pn. | USPAT | 2003/11/17 |
| _ | 52 | 330/177.ccls. | USPAT; | 2003/11/17 |
| | | | US-PGPUB | 15:59 |
| - | 3 | 330/177.ccls. | USPAT; | 2003/11/17 |
| | 5314 | and capacit\$5 | US-PGPUB | 16:00 |
| - | 5314 | "blocking capacitor" | USPAT; US-PGPUB | 2003/11/18 |
| _ | 127 | "blocking capacitor" and 381.clas. | USPAT; | 2003/11/18 |
| | | | US-PGPUB | 09:59 |
| - | 0 | "blocking capacito\$1" and 381.clas. | USPAT; | 2003/11/18 |
| _ | 107 | "blocking capacitor" and 381.clas. | US-PGPUB USPAT; | 10:00 2003/11/18 |
| | 107 | siconing capacitor and solicias. | US-PGPUB | 10:01 |
| - | 0 | ("blocking capacitor" and 381.clas.) not | USPAT; | 2003/11/18 |
| | | ("blocking capacitor" and 381.clas.) | US-PGPUB | 10:01 |
| - | 20 | ("blocking capacitor" and 381.clas.) not | USPAT; | 2003/11/18 |
| _ | 3690 | ("blocking capacitor" and 381.clas.) "blocking capacitor" and amplifier | US-PGPUB USPAT; | 10:10 2003/11/18 |
| | 3030 | and ampirities | US-PGPUB | 10:11 |
| - | 1959 | "blocking capacitor" same amplifier | USPAT; | 2003/11/18 |
| | | / | US-PGPUB | 10:12 |
| - | 300 | ("blocking capacitor" same amplifier) and transducer | USPAT; | 2003/11/18 |
| - | 269 | (("blocking capacitor" same amplifier) | US-PGPUB USPAT; | 10:12 2003/11/18 |
| | | and transducer) not ("blocking capacitor" | US-PGPUB | 10:12 |
| | | and 381.clas.) | | |
| - | 1828 | "blocking capacitor" same amplifier | USPAT | 2003/11/18 |
| _ | o | US-20030152243-A1.DID. and transducer | ווכטאיי | 10:12 |
| | ا | os 20050132245-M1.DID. and transqueer | USPAT | 2003/11/18 |
| - | 273 | ("blocking capacitor" same amplifier) and | USPAT | 2003/11/18 |
| | | transducer | | 10:13 |
| - | 244 | (("blocking capacitor" same amplifier) | USPAT | 2003/11/18 |
| | | and transducer) not ("blocking capacitor" and 381.clas.) | | 10:13 |
| | | una 301.0103./ | L | |

| - | 0 | "blocking capacitor" and 381.clas. | EPO; JPO | 2003/11/24 16:57 |
|---|--------|--|--------------------|---------------------|
| - | 273 | "blocking capacitor" | EPO; JPO | 2003/11/24 17:01 |
| - | 73 | "blocking capacitor" and amplifier | EPO; JPO | 2003/11/24 17:52 |
| - | 0 | 744114.ap. | EPO; JPO | 2003/11/24 17:52 |
| - | 2 | 744114.ap. | USPAT; US-PGPUB | 2003/11/24 17:52 |
| - | 10835 | "high impedance" and "low impedance" | USPAT | 2003/11/25 11:29 |
| - | 1025 | ("high impedance" and "low impedance") and dc near3 ac | USPAT | 2003/11/25 11:31 |
| _ | 9 | (("high impedance" and "low impedance") and dc near3 ac) and 381.clas. | USPAT | 2003/11/25 11:35 |
| - | 476595 | isolat\$4 | USPAT | 2003/11/25 11:36 |
| - | 1378 | isolat\$4 near dc and ac | USPAT | 2003/11/25 14:21 |
| - | 21 | (isolat\$4 near dc and ac) and 381.clas. | USPAT | 2003/11/25 |
| - | 9 | (isolat\$4 near4 dc near4 ac) and 381.clas. | USPAT | 2003/11/25 16:00 |
| - | 0 | "dc bias" same "embedded charge" | USPAT | 2003/11/25 |
| - | 8 | "dc bias" same charge and electret | USPAT | 2003/11/25 13:40 |
| - | 1 | 3,373,251.pn. | USPAT | 2003/11/25 |
| - | 5 | 5885129.uref. | USPAT | 2003/11/25 14:14 |
| _ | 72 | isolat\$4 near dc near ac | USPAT | 2003/11/25 14:21 |
| - | 421 | "driver amplifier" and inductor and capacitor | USPAT | 2003/11/25 |
| _ | 13 | ("driver amplifier" and inductor and capacitor) and 381.clas. | USPAT | 2003/11/25 16:01 |
| _ | 4357 | "dc bias" and charge | USPAT | 2003/12/01 08:19 |
| - | 4682 | "dc bias" and charge | USPAT | 2003/12/01 08:19 |
| - | 352 | ("dc bias" and charge) and ultrasonic | USPAT | 2003/12/01 |
| - | 5 | (("dc bias" and charge) and ultrasonic) | USPAT | 2003/12/01 08:24 |
| - | 1 | 3373251.pn. | USPAT | 2003/12/01 08:24 |
| - | 110911 | amplifier and filter | USPAT | 2003/12/01 |
| - | 971 | (amplifier and filter) and "flat frequency" | USPAT | 2003/12/01 09:23 |
| - | 93 | ((amplifier and filter) and "flat frequency") and ultrasonic | USPAT | 2003/12/01 |
| - | 1089 | "damping resistor" | USPAT | 2003/12/01 10:18 |
| - | 43 | "damping resistor" and ultrasonic | USPAT | 2003/12/01 10:18 |
| - | 5 | nonlinear and ultasonic | USPAT | 2003/12/01 |
| - | 1937 | nonlinear and ultrasonic | USPAT | 20.20 |
| - | 202 | (nonlinear and ultrasonic) and audio | USPAT | 2003/12/01 |
| - | 1 | 5287331.pn. | USPAT | 2003/12/01 |
| - | 1 | 6016351.pn. | USPAT | 2003/12/01 |
| - | 1 | 4404489.pn. | USPAT | 2003/12/01 20:34 |
| - | 1821 | (angle phase theta) and sin and ultrasonic | USPAT | 2003/12/01 20:35 |
| | | | · | 1 2 3 3 3 3 |

| | | | r | 1 0000/10/01 |
|-----|-------|---|----------|-----------------------|
| - | 148 | 1 11 2 4 | USPAT | 2003/12/01 20:37 |
| _ | 90 | ultrasonic) and audio (((angle phase theta) and sin and | USPAT | 2003/12/01 |
| |] | ultrasonic) and audio) and delay | """ | 20:44 |
| - | 1 | 5600610.pn. | USPAT | 2003/12/01 |
| | _ | | | 20:46 |
| 1 - | 1 | 5161128.pn. | USPAT | 2003/12/01 20:48 |
| _ | 1 | 3373251.pn. | USPAT | 2003/12/01 |
| | | 3373231.pm | """ | 20:54 |
| - | 1 | 4991221.pn. | USPAT | 2003/12/01 |
| | | 41.00705 | | 21:00 |
| - | 1 | 4122725.pn. | USPAT | 2003/12/02 17:10 |
| _ | 134 | ("non-linear" nonlinear) near3 inversion | USPAT | 2003/12/02 |
| | | (| | 17:11 |
| - | 135 | ("non-linear" nonlinear) near3 inversion | USPAT | 2003/12/02 |
| | | 201/04 1 3 5 5 | HCDAM | 17:25 |
| - | 8 | 381/94.1 and ultrasonic | USPAT | 2003/12/02 18:00 |
| - | 30519 | (noise distortion) and modulator | USPAT | 2003/12/02 |
| | | | | 18:00 |
| - | 1465 | ((noise distortion) and modulator) and | USPAT | 2003/12/02 |
| | 270 | ultrasonic | USPAT | 18:01 |
| - | 370 | (((noise distortion) and modulator) and ultrasonic) and audio | USPAT | 2003/12/02 18:01 |
| _ | 176 | · · | USPAT | 2003/12/02 |
| | | ultrasonic) and audio) and error | | 18:23 |
| - | 26676 | "error correction" | USPAT | 2003/12/02 |
| | 5215 | "error correction" and modulator | USPAT | 18:23 2003/12/02 |
| - | 3213 | error correction and modulator | USPAI | 18:23 |
| _ | 2278 | ("error correction" and modulator) and | USPAT | 2003/12/02 |
| | | audio | | 18:23 |
| - | 53 | (("error correction" and modulator) and | USPAT | 2003/12/02 |
| 1_ | 610 | audio) and ultrasonic "damping resistor" and amplifier | USPAT | 18:40 2003/12/02 |
| | 610 | damping resiscor and ampiriter | OSFAI | 18:59 |
| - | 288 | ("damping resistor" and amplifier) and | USPAT | 2003/12/02 |
| | | transformer | | 18:40 |
| - | 52 | (("damping resistor" and amplifier) and transformer) and audio | USPAT | 2003/12/02 |
| 1_ | 20 | (("damping resistor" and amplifier) and | USPAT | 18:53 2003/12/02 |
| | | transformer) and ultrasonic | OSIAI | 18:53 |
| - | 13 | ((("damping resistor" and amplifier) and | USPAT | 2003/12/02 |
| | | transformer) and ultrasonic) not | | 18:53 |
| | | <pre>((("damping resistor" and amplifier) and transformer) and audio)</pre> | | |
| _ | 493 | "damping resistor" and transformer | USPAT | 2003/12/02 |
| | | | | 19:03 |
| - | 24852 | , | USPAT | 2003/12/02 |
| | 2.1 | ultra sonic | Henam | 19:00 |
| - | 21 | ("damping resistor" and transformer) and ultrasonic | USPAT | 2003/12/02 19:00 |
| - | 1 | l | USPAT | 2003/12/02 |
| | _ | ultrasonic) not ((("damping resistor" and | | 19:03 |
| | | amplifier) and transformer) and | | |
| | 2.0 | ultrasonic) | HE DEDUC | 2002/12/02 |
| - | 22 | "damping resistor" and transformer | US-PGPUB | 2003/12/02 19:03 |
| _ | 493 | "damping resistor" and transformer | USPAT | 2003/12/02 |
| | | | | 19:05 |
| - | 441 | ("damping resistor" and transformer) not | USPAT | 2003/12/03 |
| | | ((("damping resistor" and amplifier) and | | 10:45 |
| _ | 69690 | transformer) and audio) modulator | USPAT | 2003/12/03 |
| | 0,000 | | 35131 | 10:45 |
| - | 30519 | modulator and (noise distortion) | USPAT | 2003/12/03 |
| | | (| | 10:45 |
| - | 1465 | (modulator and (noise distortion)) and ultrasonic | USPAT | 2003/12/03 10:46 |
| | L | dictasonic | L | 1 10.10 |

| _ | 75 | | USPAT | 2003/12/03 10:54 |
|-----|--------|---|------------------------|---------------------|
| | 370 | ultrasonic) and peak adj detector ((modulator and (noise distortion)) and | USPAT | 2003/12/03 |
| - | 370 | ultrasonic) and audio | 002112 | 13:36 |
| _ | 3 | "peak level detector" and "square root" | USPAT | 2003/12/03 |
| | | | **CD3# | 13:37 2003/12/03 |
| - | 3428 | "square root" and (adder summer) | USPAT | 13:38 |
| l _ | 204 | ("square root" and (adder summer)) and | USPAT | 2003/12/03 |
| | | ultrasonic | | 13:54 |
| _ | 79525 | nonlinear non-linear | USPAT | 2003/12/03 |
| | 0776 | (nonlinear non-linear) and modulator | USPAT | 14:08 2003/12/03 |
| - | 9776 | (nonlinear non-linear) and modulator | ODIAL | 13:55 |
| - | 565 | ((nonlinear non-linear) and modulator) | USPAT | 2003/12/03 |
| | | and ultrasonic | | 13:55 |
| _ | 96 | | USPAT | 2003/12/03 |
| | 25255 | and ultrasonic) and audio (nonlinear non-linear) and square | USPAT | 2003/12/03 |
| - | 23233 | (nonlinear non rinear) and oquare | | 14:08 |
| _ | 3734 | ((nonlinear non-linear) and square) and | USPAT | 2003/12/03 |
| | | modulator | HCDAM | 14:09 2003/12/03 |
| - | 3681 | <pre>(((nonlinear non-linear) and square) and modulator) not (((nonlinear non-linear)</pre> | USPAT | 14:09 |
| | l | and modulator) and ultrasonic) and audio) | | |
| _ | 625 | ((((nonlinear non-linear) and square) and | USPAT | 2003/12/03 |
| | | modulator) not ((((nonlinear non-linear) | | 14:09 |
| | | and modulator) and ultrasonic) and audio)) and audio | | |
| _ | 0 | | USPAT | 2003/12/03 |
| | | and modulator) not ((((nonlinear | | 14:10 |
| İ | | non-linear) and modulator) and | | |
| | | ultrasonic) and audio)) and audio) not | | |
| | | (("square root" and (adder summer)) and ultrasonic)) and ultrasonic | | |
| _ | 625 | | USPAT | 2003/12/03 |
| | | and modulator) not ((((nonlinear | | 14:32 |
| | | non-linear) and modulator) and | | |
| | | ultrasonic) and audio)) and audio) not (("square root" and (adder summer)) and | | |
| | | ultrasonic) | | |
| - | 18 | "nonlinear inversion" | US-PGPUB; | 2003/12/03 |
| | | | EPO; JPO; DERWENT | 14:35 |
| 1_ | 21112 | (error noise distortion) and modulator | US-PGPUB; | 2003/12/03 |
| 1 | 21112 | (CIIOI MOIDO AIDODIOIO) AMA MOMAIAGO | EPO; JPO; | 14:37 |
| 1 | | | DERWENT | 0000/10/00 |
| - | 3734 | 1 , , | US-PGPUB; EPO; JPO; | 2003/12/03 |
| | | and square | DERWENT | 17.55 |
| _ | 166722 | (((error noise distortion) and modulator) | US-PGPUB; | 2003/12/03 |
| | | and square) audio | EPO; JPO; | 14:36 |
| | | | DERWENT US-PGPUB; | 2003/12/03 |
| - | 584 | (((error noise distortion) and modulator) and square) and audio | EPO; JPO; | 14:36 |
| | | and square, and addre | DERWENT | |
| - | 51 | | US-PGPUB; | 2003/12/03 |
| | | modulator) and square) and audio) and | EPO; JPO; | 14:37 |
| 1_ | 42009 | ultrasonic (error noise distortion) and modulator | DERWENT | 2003/12/03 |
| | 42009 | (effor noise distortion) and modulator | | 14:37 |
| _ | 2566 | | USPAT | 2003/12/03 |
| | | and audio and square | IIGDAM | 14:37 2003/12/03 |
| - | 178 | (((error noise distortion) and modulator) and audio and square) and ultrasonic | USPAT | 14:45 |
| _ | 20876 | | USPAT | 2003/12/03 |
| | | | | 14:46 |
| - | 1869 | (square adj root) and modulator | USPAT | 2003/12/03 14:51 |
| 1_ | 388 | ((square adj root) and modulator) and | USPAT | 2003/12/03 |
| 1 | 388 | audio | | 14:51 |
| L | | 1 | | |

| - | 365 | \\\- \under \u | USPAT | 2003/12/03 |
|---|-----|--|----------|------------|
| | _ | audio) and (error noise distortion) | | 14:52 |
| - | 342 | '''' and and area, and modulatory and | USPAT | 2003/12/03 |
| | | audio) and (error noise distortion)) not | | 14:58 |
| İ | | ((((error noise distortion) and | ì | |
| | | modulator) and audio and square) and | | |
| | | ultrasonic) | | |
| - | 0 | (((((square adj root) and modulator) and | USPAT | 2003/12/03 |
| l | | audio) and (error noise distortion)) not | | 14:55 |
| | | ((((error noise distortion) and | | |
| | | modulator) and audio and square) and | | |
| | | ultrasonic)) and ultrasonic | | |
| - | 33 | "nonlinear inversion" | USPAT | 2003/12/03 |
| | | | | 15:17 |
| - | 17 | "nonlinear inversion" | US-PGPUB | 2003/12/03 |
| | | | | 15:17 |